

## Grants Review Working Group Members

Patient Advocates of the ICOC	Affiliation	
Jonathan Thomas (ex-officio)	ICOC Chairman	
David Higgins	ICOC Patient Advocate - Parkinson's Disease	
Lauren Miller	ICOC Patient Advocate - Alzheimer's Disease	
Francisco Prieto	ICOC Patient Advocate - Type I Diabetes	
Al Rowlett	ICOC Patient Advocate - Mental Health	
Jeff Sheehy	ICOC Patient Advocate - HIV/AIDS	
Oswald Steward	ICOC Patient Advocate - Spinal Cord Injury	
Art Torres	ICOC Patient Advocate - Alternate	
Diane Winokur	ICOC Patient Advocate - ALS and Multiple Sclerosis	
Scientists	Affiliation	Expertise
Stewart Abbot	Celgene Cellular Therapeutics	Development of Cellular-based Therapeutics
Gyula Acsadi	Connecticut Children's Medical Center	Pediatric Neurology; Gene Therapy for Motor Neuron Disease
Julie Allickson	Wake Forest School of Medicine	Quality Assurance/Control, Regulatory Affairs, Process Development and GMP Manufacturing
Brenda Andrews	University of Toronto	Genomics; Phenomics; Cell Cycle Regulated Transcription
Ali Arbab	Georgia Health Sciences University	Imaging; Cell Tracking; Radiology; Oncology
Nazem Atassi	Massachusetts General Hospital	Translational Research and Clinical trials in Neurodegenerative Disorders
Andrew Balber	Cicada Biopharmaceutical Consulting	Immunology, Cellular Therapeutics
Roger Barker	University of Cambridge	Neuroscience; PD; HD; Cell Therapy; Biomarkers, Neurogenesis
Margaret Baron	Mount Sinai School of Medicine	Developmental Hematopoiesis; Embryogenesis
Julia Barrett	Biologics Consulting Group, Inc.	Clinical Consultant; Regulatory
Amelia Bartholomew	University of Illinois-Chicago	Hematopoietic & Mesenchymal Stem Cells; Transplantation Tolerance; Solid Organ Transplantation

Bradley Bernstein	Massachusetts Institute of Technology	Genomics Approaches to the Study of Chromatin Structure and Cancer
Mick Bhatia	McMaster University	Somatic & Pluripotent Stem Cell Development; Hematopoiesis
Sangeeta Bhatia	Massachusetts Institute of Technology	Bioengineering, Nanotechnology
Lauren Black	Charles River Laboratory	Regulatory (Pharmacology / Toxicology)
Susan Bonner-Weir	Joslin Diabetes Center	Diabetes
Cesar Borlongan	University of South Florida	Cell Therapy for Brain Disorders Including Stroke and Neonatal Ischemic Injury
Kenneth Brayman	University of Virginia Health System	Diabetes; Kidney & Islet Transplantation; Peripheral Vascular Disease
Christopher Breuer	Nationwide Children's Hospital	Pediatric Surgery; Tissue Engineering; Vascular Biology
Ali Brivanlou	The Rockefeller University	Developmental Biology
Vania Broccoli	San Raffaele Scientific Institute	Genetics & Neural Stem Cell Fate; Hereditary Neural Syndromes; Neurodevelopment
Ulrich Broeckel	Medical College of Wisconsin	Genetics & Cardiovascular Disease; Pharmacogenetics; iPSC Modeling
Patrik Brundin	Van Andel Institute	Neural Transplantation (PD)
Jason Burdick	University of Pennsylvania	Development of Hydrogels for Biologic Application
Joy Cavagnaro	Access Bio	Regulatory; Preclinical Development; Cell & Gene Therapy
John Centanni	University of Wisconsin	Clinical Product Development for Cellular Therapeutics
Rajesh Chopra	Celgene Corporation	Oncology; Hematology; Stem Cells; Translational Medicine
Jose Cibelli	Michigan State University	Cellular Reprogramming; Stem Cell Biology; Pluripotency
Hans Clevers	Hubrect Institute	Wnt Signaling & Cancer; Adult Stem Cells
Chad Cowan	Harvard University	Stem Cell Biology, In vitro Models of Disease
Charles Cox, Jr	University of Texas Medical School at Houston	Pediatric Trauma; Neurologic Injury; Bio-hybrid Organs; Cardiopulmonary
John Crowley	Fred Hutchinson Cancer Center	Design & Analysis of Cancer Clinical Trials
Linda Custer	Tarveda Therapeutics	Clinical Operations
George Daley	Children's Hospital Boston	Stem Cell Biology; Reprogramming; Blood Disorders; Disease Process
Margot Damaser	Cleveland Clinic	Female Pelvic Dysfunction; Urinary & Fecal Incontinence; Pelvic Organ Prolapse
Carol Danielson	Regulatory Advantage, LLC	Clinical Regulatory; CMC Regulatory; Cell Therapy, Biologics, & Small Molecule Therapeutics
Cosimo de Bari	University of Aberdeen	Skeletal Repair; Potency Assays; Arthritis
Willard Dere	University of Utah	Clinical Development; Endocrine, Bone, & General Medicine Research & Development
Marc Diamond	UT Southwestern	Therapeutic Targets & Small Molecules (HD & Tauopathies)

John DiPersio	Washington University School of Medicine	Leukemias, Bone Marrow Transplantation
Daniel Doherty	Seattle Children's Hospital	Developmental Pediatrics; Genetics & Hindbrain Malformations
Boro Dropulic	Lentigen	Lentiviral Vector Technology; HIV/AIDS
Gary du Moulin	Genzyme	Quality Compliance for Cell Therapy/Tissue Engineering
Ian D. Duncan	University of Wisconsin	Neurodegenerative Diseases (MS)
Douglas C. Eaton	Emory University School of Medicine	Cellular Signaling Mechanisms
Jay Edelberg	Bristol-Myers Squibb	Cardiovascular Disease Therapies, Biomarkers
Wafik El-Deiry	University of Pennsylvania	Hematology-Oncology; Radiobiology
James Ellis	The Hospital for Sick Children	Vector Development; Reprogramming; iPSC Banking; Rett Syndrome
Todd Evans	Weill Cornell Medical College	Developmental and Molecular Biology
Charles French-Constant	University of Cambridge	Neurogenesis, Neurodegenerative Diseases (MS)
Richard Finkel	Nemours Children's Hospital	Pediatric Neuromuscular Disorders; Fetal Neurology; Metabolic Disorders
Meri Firpo	University of Minnesota	Stem Cell Biology; Transplantation Therapies for Diabetes
Alan Flake	Children's Hospital of Philadelphia	In utero Cell & Gene Therapy; Pediatric Surgery
Thomas Freeman	University of South Florida	Neural Transplantation; Spine Surgery
Joyce Frey-Vasconcelis	PharmaNet Consulting	Regulatory (CMC)
Stephen Friend	Sage Bionetworks	Molecular Profiling; Oncology; Drug Discovery
Mark Furth	Wake Forest University Baptist Medical Center	Fetal & Adult Stem Cells in Regenerative Medicine
Adrian Gee	Baylor College of Medicine	CMC for Cell and Gene Therapy, HSC, & Blood Bank Standards
Bruce Gelb	Mount Sinai Hospital	Pediatric Cardiology; Cardiomyopathy; Cardiovascular Genetics; Heart Transplantation
Manuela Gernert	University of Veterinary Medicine Hannover	Pathophysiology of Epilepsies; Neural Transplantation; Drug Delivery in Epilepsy
Richard Gibbs	Baylor College of Medicine	Genomics of Cancer, Heart Disease, & Autism
Jonathan D. Glass	Emory University	Neuromuscular Disorders; Peripheral Neuropathies (ALS)
Marcie Glicksman	Brigham and Women's Hospital	Assay Development; Preclinical Development; Animal Pharmacology
Kevin Gregory-Evans	University of British Columbia	Ophthalmology
May Griffith	Linköping University	Regenerative Medicine; Biomaterials; Eye (Cornea)
James Guest	The Miami Project	Spinal Cord Injury; Preclinical Animal Modeling
Christie Gunter	HudsonAlpha Institute for Biotechnology	Human Genetics & Genomics; Fragile X Syndrome
Kurt Gunter	Cell Medica Inc.	Regulatory Affairs, Therapy Development
Timothy Hacker	University of Wisconsin	Animal Models of Disease for Preclinical Testing

Brian Harfe	University of Florida	Developmental Biology, microRNA
John Hassell	McMaster University	Cancer Biology (Breast); Therapeutics; Cell Signaling; Functional Genomics
Franz Hefti	Acumen Pharmaceuticals, Inc.	Drug Development; Neuroscience (AD)
Derek Hei	University of Wisconsin–Madison	Developing Cell and Gene Therapeutics for Clinical Trials; Cell Manufacturing
Shelly Heimfeld	Fred Hutchinson Cancer Research Center	Cellular Therapy; Hematology; GMP Cell Production
Anthony Hollander	University of Bristol	Chondrogenesis; Osteoarthritis; Tissue Engineering; Trachea Engineering
Lee Hood	Institute for Systems Biology	Systems Biology & Personalized Medicine
Ole Isacson	Harvard University	Neurodegenerative Disease (PD, HD); Neuroregeneration
Laurie Jackson-Grusby	Children's Hospital Boston	Epigenetic Basis of Disease
Robin Jenkins	Sanofi-Aventis	Medical Affairs; Global Development; Clinical Trial Data Management
Jane Johnson	UT Southwestern	Neurogenesis; Somatosensory Circuit; Pharmacology; Cancer Biology
Alexandra Joyner	Memorial Sloan-Kettering Cancer Center	Developmental Biology
Henry Kaplan	University of Louisville	Ophthalmology
Douglas Kerr	Biogen Idec	Neuronal Injury; Motor Neuron Disease; Neurodegeneration
Ali Khademhosseini	Brigham and Women's Hospital	Nanotechnologies for Controlling Cellular Behavior
Ann Kiessling	Harvard Institutes of Medicine	Reproductive Biology, HIV
Daniel Kim	University of Texas Medical School at Houston	Neurological Surgery; Spinal Surgery
Kathleen Kirby	Viridian Strategies	Clinical Operations; Gene Therapy & Biologics; Organ Indications
Vassilis Koliatsos	Johns Hopkins University School of Medicine	Traumatic & Degenerative Brain Injury and Repair; Alzheimer's Disease
Olle Korsgren	Uppsala University Hospital	Islet Allo- & Xenotransplantation; Transplantation Immunology
Darrell Kotton	Boston University	Stem Cell & Gene Therapy; Lung Developmental Biology; Pulmonary Medicine
Diane Krause	Yale University School of Medicine	Hematopoietic Stem and Progenitor Cells
Paul Kulesa	Stowers Institute for Medical Research	Cell Migration, Imaging
Andrew Kung	Columbia University Medical Center	Tumor/Stem Cell Biology, Clinical Transplantation
John Kuo	University of Wisconsin-Madison	Neurosurgery; Neuro-oncology; Cancer Stem Cell Biology
Daniel Kuritzkes	Harvard Medical School	HIV-1 Persistence and Eradication; Resistance to Antiretroviral Drugs; Viral Fitness; Viral Tropism
Joanne Kurtzberg	Duke University Children's Hospital	Stem Cell Transplantation; Cord Blood
Brian Kwon	Vancouver General Hospital	Spinal Cord Injury
John Lake	University of Minnesota	Liver, Solid Organ Transplantation
Joseph Laning	University of Massachusetts	Cell Banking; Human Embryonic Stem Cell Banking

Jane Larkindale	NMD Consulting	Neuromuscular Disease; Patient Outreach; Venture Philanthropy
Olle Lindvall	University Hospital, Lund	Neurogenesis & Neural Transplantation (PD, Stroke, Epilepsy)
Russell Lonser	Ohio State University	Neurosurgery; Drug Delivery; Neural Disorders; Neuro-oncology
Christian Lorson	University of Missouri	Alternative Splicing; Spinal Muscular Atrophy; Gene Therapy
Pradeep Mammen	UT Southwestern	Cardiology; Heart Failure/Transplantation; Neuromuscular Cardiomyopathy
Hai-Quan Mao	Johns Hopkins University	Material Science; Nano Technology; Drug/Gene Delivery; Stem Cell Expansion
Robert Marcus	Independent Consultant	Clinical & Drug Development in Osteoporosis & Bone Medicine
Robert Masson	NeuroSpine Institute	Neurosurgery; Bone & Spinal Surgery
Barbara Matthews	BioDirect, Inc.	Regulatory Affairs; Clinical Development Strategy
John Mattick	Garvan Institute of Medical Research	Genetics & Genomics; Non-coding DNA
Jacob McCauley	University of Miami	Genetic Epidemiology; Multiple Sclerosis; Neurodegenerative Disease
David McKenna	University of Minnesota	Development of Cellular-based Therapies; GMP Manufacturing
Samir Mehta	University of Pennsylvania	Orthopaedic Trauma; Fractures; Articular Cartilage Injury
Alexander Meissner	Harvard University	Stem Cell Biology; Epigenetic and Cellular Reprogramming
Ivar M. Mendez	Dalhousie University	Neurotransplantation, Neurosurgery, Robotics
Edmund Mickunas	Independent Consultant	Clinical & Regulatory Affairs for Pharmacologics, Biologics, and Medical Devices
Andra Miller	Biologics Consulting Group	Regulatory Strategy for Cellular & Gene Therapy Products; RAC; CMC
Freda Diane Miller	The Hospital for Sick Children	Neural Stem Cells; Neurogenesis; Neural Crest Stem Cells
Stephen Minger	GE Healthcare Life Sciences	Stem Cell Biology, Neurobiology; Cell Technologies
Shoukrhat Mitalipov	Oregon Heath & Sciences University	Gamete, Embryo, & Stem Cell Biology; Pluripotency
Bruce Montgomery	Cardeas Pharma	Product Development; Respiratory Disease
Christine Mummery	Leiden University Medical Center	Pluripotency & Differentiation to Cardiovascular Lineages
Michael Murphy	Indiana University School of Medicine	Vascular Surgery; Stem Cell Therapies for Cardiovascular Disease; Arterial & Aortic Disease
Richard Myers	HudsonAlpha Institute for Biotechnology	Genomics and Genetics of Human Diseases and Other Traits
Stephen Navran	Synthecon, Inc	Stem Cell Culture Methods and Applications
Laura Niklason	Yale University	Cardiovascular Tissue Engineering
Mark Noble	University of Rochester	Regenerative Medicine; Neural Stem Cells; Neurological Disease & Injury
Richard Ochoa	Pre-Clinical Safety, Inc.	Regulatory Affairs; Pharmacology & Toxicology
Jon Odorico	University of Wisconsin	Diabetes, Transplantation
Maynard Olson	University of Washington	Genomics; Natural Variation in DNA Sequence

Kelly Otto	Independent Consultant	Clinical Drug Development & Clinical Operations
Sean Palecek	University of Wisconsin	Pluripotency; Tissue Engineering; Biosensors
Aarno Palotie	Wellcome Trust Sanger Institute	Genetics & the Central Nervous System; Migraines; Epilepsy; Schizophrenia; Autism
Nancy Parenteau	Ingenium BioTherapy Corporation	Biotechnology; Biological Products; Drug Development
Malin Parmar	Lund University	Neurodegeneration & Parkinson's Disease
David Pepperl	Biologics Consulting Group, Inc.	Regulatory (Pharmacology/Toxicology)
Martin Pera	The University of Melbourne	Pluripotent Stem Cell Biology; Developmental Biology
Rita Perlingeiro	University of Minnesota	Lineage-Specific Differentiation (Skeletal); Genetic Correction of Disease
Michael Pfenning	Mayo Clinic	Hospital Operations & Clinical /Translational Research Administration
Margot Mayer-Pröschel	University of Rochester	Glial Cells in Development, Disease, and Injury Repair
Mahendra Rao	New York Stem Cell Foundation Research Institute	Pluripotent Stem Cells; Neural Stem Cells; Stem Cell Processing & Therapy
Theodore Rasmussen	University of Connecticut	Chromatin Dynamics in Pluripotent Cells
Frank Rauscher	The Wistar Institute Cancer Center	Gene Expression & Regulation; Cancer
Yair Reisner	Weizmann Institute of Science	Transplantation Immunology
Jared Roach	Institute for Systems Biology	High Throughput Systems Biology Data; Immunology; Neurodegeneration
Gail Robertson	University of Wisconsin-Madison	Cardiac & Neuronal Electrophysiology
Frank Rockhold	Duke University	Biostatistics; Clinical Trial Design; Data Monitoring
Mauricio Rojas	University of Pittsburgh Medical Center	Stem Cells in Lung Repair and Injury
Raymond Roos	University of Chicago	Neurodegenerative Diseases (ALS, MS)
Barry Rosen	The Wellcome Trust Sanger Institute	Mouse Genetics; Genetic Manipulation of ES Cells
Michael Rosen	Columbia University	Cardiovascular Disease
Alan Rosmarin	University of Massachusetts	Hematology; Transcriptional Regulation
Theodora Ross	UT Southwestern	Hematopoiesis; Leukemia
Janet Rossant	The Hospital for Sick Children	Developmental and Stem Cell Biology
Anne Rosser	Cardiff University	CNS Regeneration (HD, PD)
Josh Rubin	Washington University in St. Louis	Pediatric Brain Tumors; Brain Development Mechanisms & Tumorigenesis
Michael Rudnicki	Ottawa Health Research Institute	Myogenesis; Transcriptional Regulation
Steven Russell	Massachusetts General Hospital	Diabetes Research
David Sachs	Massachusetts General Hospital	Immunobiology of Transplantation; Xenotransplantation
Hesham Sadek	UT Southwestern	Cardiac & Hematopoietic Stem Cell Biology; Metabolomics; Microenvironment

Michel Sadelain	Memorial Sloan-Kettering Cancer Center	Gene Therapy; Bone Marrow Transplant; Immunology; Cancer
Jacqueline Sagen	University of Miami	Neural Transplantation; Axonal Regrowth; Chronic Pain Syndromes
Hans Scholer	Max Plank Institute for Molecular Biomedicine	Stem Cell Pluripotency & Germline Development
James Schwob	Tufts University	Neural Development; Olfactory Projection; Neurogenesis
Norman Sharpless	The University of North Carolina School of Medicine	Clinical Oncology; Tumor Suppressors in Aging & Cancer
Warren Sherman	Columbia University Medical Center	Cardiology; Cardiac-based Regenerative Medicine & Cellular Therapies
Robert Simari	University of Kansas Medical Center	Cardiology; Stem Cell & Regenerative Medicine Research
Paul J. Simmons	Mesoblast	Hematopoiesis, Mesenchymal Stem Cells
G. Sitta Sittampalam	National Center for Advancing Translational Sciences, NIH	Stem Cell & Cancer Stem Cell Biology & Pharmacology; Drug Discovery
Igor Slukvin	University of Wisconsin	Hematopoietic Development from Pluripotent Stem Cells
Clifford Steer	University of Minnesota	Hepatology; Gene Therapy; miRNAs as Therapeutic Agents
Gustav Steinhoff	University of Rostock	Cardiac; Tissues Engineering; Cell Therapy
Rainer Storb	Fred Hutchinson Cancer Research Center	Hematopoiesis, Bone Marrow Transplantation
Stephen Strom	University of Pittsburgh	Cancer of Liver and Prostate
Lorenz Studer	Memorial Sloan-Kettering Cancer Center	Stem Cell Biology; Degenerative Disease; Cancer
Azim Surani	Gurdon Institute	Mammalian Germ Cells; Pluripotency; Epigenesis; Single Cell Technology
Megan Sykes	Columbia University	Transplantation Tolerance; Clinical Bone Marrow Transplantation
Viviane Tabar	Memorial Sloan-Kettering Cancer Center	Pluripotent & Neural Stem Cell Biology; Neurosurgery; Tumors
Shuichi Takayama	University of Michigan	Bioengineering; Nano/Micro Technologies
Jay Traverse	Minneapolis Heart Institute	Stem Cell Therapy for Cardiovascular Disease
Ludovic Vallier	University of Cambridge	Pluripotent Stem Cell Biology; Endoderm; iPSC Modeling of Liver & Metabolic Disease
Joel Voldman	Massachusetts Institute of Technology	Bioengineering, Fluid Mechanics, Microscopy
Richard Wade-Martins	University of Oxford	Molecular Mechanisms of Neurodegeneration; Gene Therapy
Amy Wagers	Joslin Diabetes Center	Hematopoietic & Skeletal Muscle Stem Cells; Aging
John Wagner	University of Minnesota	Lympho-Hematopoietic Disorders; Bone Marrow Transplantation; Cord Blood
Darin Weber	Angioblast Systems, Inc./ Mesoblast, LTD	Regulatory (CMC; Device; Cell Therapy)
Keith Wells	Biologics Consulting Group, Inc.	Antibody; Regulatory (CMC)
Margaret Werner-Washburne	University of New Mexico in Albuquerque	Cell Biology; Growth Control; Genomics

Theresa Whiteside	University of Pittsburgh Cancer Institute	Cancer Immunology and Immunotherapy, Cellular Therapy, Immunopathology
Scott Whittemore	University of Louisville	Spinal Cord Injury
Tom Wilkie	UT Southwestern Medical Center	Pancreatic Diseases, Diabetes, Stem Cell Transplantation and Cancer
Grant Williams	Williams Cancer Drug Consulting, LLC	Drug Development; Clinical Regulatory
Michelle LeRoux Williams	Independent Consultant	Drug & Product Development; Regulatory Affairs; Clinical Regulatory
Barbara Wirostko	University of Utah	Ophthalmology; Clinical Development
Robin Wright	University of Minnesota, St. Paul	Cell Biology; Organelle Biogenesis in Yeast
Michael B. Yaffe	Massachusetts Institute of Technology	Protein Phosphorylation & Cell Cycle
Cassian Yee	University of Texas MD Anderson Cancer Center	Medical Oncology; Immunology
Peter Zandstra	University of Toronto	Stem Cell Bioengineering, Signaling
Marco Zarbin	New Jersey Medical School	Ophthalmology; Cell Therapy
Wolfram-Hubertus Zimmerman	University Medical Center Göttingen	Cardiovascular Regenerative Medicine & Tissue Engineering
Juan Carlos Zúñiga-Pflücker	University of Toronto	Developmental Immunology, T-cells, Hematopoietic Stem Cells
Thomas Zwaka	Baylor College of Medicine	Stem Cell Biology, Molecular Genetics

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